

## **ABSTRACT**

**[105]** Certain embodiments of the invention may be found in a method and system for a vestigial side band (VSB), quadrature amplitude modulation (QAM), NTSC, out-of-band (OOB) receiver that is integrated in a single chip. The single chip integrated digital television (DTV) receiver provides plug and play DTV receiver capability for handling both North American digital cable television and digital terrestrial broadcast television compatible systems. The integrated DTV receiver may receive all standard-definition and high-definition digital formats (SDTV/HDTV) and an on-chip NTSC demodulator handles NTSC video. An output of the NTSC demodulator may be directed to an external broadcast television system committee (BTSC) or Zweiton M decoder, or it may be sent to an on-chip audio BTSC compliant decoder. The single chip integrated DTV receiver may also comprise an integrated out-of-band QPSK receiver, which may be adapted to, for example, handle a CableCard compliant with the CableCard Specification.